

What is claimed is:

1. A door assembly for a microwave oven comprising:
a door frame to open and close a cooking cavity; and
a door filter including a filter plate adhered to one side of the door frame, a choke portion bent to an opposite side of the cooking cavity in an edge of the filter plate, a first slot formed in a width direction of the choke portion, and a second slot formed in a length direction of the choke portion.
2. The door assembly as claimed in claim 1, wherein the choke portion is provided at a predetermined interval from the door frame.
3. The door assembly as claimed in claim 1, wherein the plurality of first and second slots are provided at fixed intervals along the length direction of the choke portion.
4. The door assembly as claimed in claim 1, wherein the choke portion is bent in vertical to the filter plate.
5. The door assembly as claimed in claim 1, wherein the first slot is provided along a direction being vertical to an end portion in the edge of the filter plate, and the second slot is provided along a direction being parallel to the end portion in the edge of the filter plate.

6. The door assembly as claimed in claim 5, wherein the first slot is formed from a point provided at a predetermined interval from the edge of the filter plate to an end portion of the choke portion.

7. The door assembly as claimed in claim 5, wherein a length of the first slot is formed in a degree corresponding to $1/4$ of the wavelength (λ) of the microwave irradiated to the cooking cavity.

8. The door assembly as claimed in claim 5, wherein the second slot is provided between the first slot and the end portion in the edge of the filter plate.

9. The door assembly as claimed in claim 8, wherein one end of the first slot is connected with a central portion of the second slot.

10. The door assembly as claimed in claim 8, wherein one end of the first slot is connected with one end of the second slot.

11. The door assembly as claimed in claim 5, wherein one end of the second slot is connected with a central portion of the first slot.

12. The door assembly as claimed in claim 5, wherein the first and second slots cross each other.